

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	220	345/48.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/11 16:56
S2	3459	345/87.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/24 16:39
S3	3084	S2 and @ad<"20030930"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/24 16:39
S4	28	S3 and (pulse with width with low)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/02 19:45
S5	345	S3 and (low adj1 voltage\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/02 19:46
S6	177	S3 and driv\$3 with (low adj1 voltage\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/24 16:40
S7	153	S3 and driv\$3 near10 (low adj1 voltage\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/02 18:42
S8	12551	345/87-104.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 14:07
S9	10830	S8 and @ad<"20030930"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/02 19:45

## EAST Search History

S10	141	S9 and (pulse\$1 with width with low)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/02 20:17
S11	0	S9 and (low adj1 voltage\$1) with (variable adj1 width\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/02 19:47
S12	4	S9 and (low adj1 voltage\$1) with (width\$1 adj1 modulat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 18:38
S13	0	("2001/0048419").URPN.	USPAT	OR	ON	2006/09/02 20:04
S14	3	("5801671").URPN.	USPAT	OR	ON	2006/09/02 20:10
S15	1	("2004/0155853").URPN.	USPAT	OR	ON	2006/09/02 20:20
S16	0	("2004/0119678").URPN.	USPAT	OR	ON	2006/09/02 20:25
S17	0	("2004/0119678").URPN.	USPAT	OR	ON	2006/09/02 20:25
S18	20	("20020101166"   "20030025462"   "20030030386"   "20030090913"   "20030161164"   "20030214655"   "20050156536"   "20050162098"   "5272327"   "5487181"   "6114814"   "6316881"   "6388388"   "6396217"   "6396722"   "6501234"   "6633138"   "6703796"   "6761470"   "6762741").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/02 21:05
S19	6	("20010040543"   "20010040546"   "20020008688"   "20020158830"   "5705411"   "6243061").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/02 21:08
S20	9	("5945972"   "5977940"   "6005558"   "6160533"   "6246386"   "6348909"   "6441829"   "6525709"   "6636194").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/02 21:39
S21	2	("5724057"   "6542141").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/02 21:51

## EAST Search History

S22	16	("4171524"   "4353062"   "4678282"   "4743096"   "4945352"   "5091722"   "5159325"   "5280280"   "5325107"   "5508711"   "5614922"   "5627558"   "5684501"   "5852425"   "6243061"   "6271817").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/02 22:20
S23	2	("20020149720").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/02 22:20
S24	12551	345/87-104.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 18:37
S25	10830	S24 and @ad<"20030930"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 18:38
S26	4	S25 and (low adj1 voltage\$1) with (width\$1 adj1 modulat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 18:39
S27	46	S25 and low with (width\$1 adj1 modulat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 18:54
S28	220	345/48.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/24 17:12
S29	198	S28 and @ad<"20030930"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 19:20
S30	0	S29 and low with (width\$1 adj1 modulat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 18:54

## EAST Search History

S31	5	S29 and (width\$1 adj1 modulat\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 18:54
S32	2	("20020149720").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/04 19:25
S33	0	S25 and width\$1 with modulat\$4 with "3.3"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 19:26
S34	0	S25 and width\$1 with modulat\$4 with cell with gap	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 19:26
S35	13	S25 and width\$1 with cell with gap	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/04 19:27
S36	3	("6222517").URPN.	USPAT	OR	ON	2006/09/04 19:30

## EAST Search History

S37	54	("4367924"   "4674839"   "4697887"   "4738515"   "4778260"   "4830467"   "4836656"   "4838652"   "4878740"   "4902107"   "4925277"   "4930875"   "4932759"   "4958912"   "4958915"   "5026144"   "5033822"   "5034735"   "5041821"   "5058994"   "5091784"   "5132818"   "5136282"   "5262881"   "5267065"   "5298914"   "5321419"   "5469281"   "5471229"   "5485173"   "5506601"   "5508716"   "5519411"   "5521727"   "5532713"   "5583534"   "5592190"   "5592191"   "5598299"   "5602562"   "5606343"   "5627559"   "5638195"   "5646755"   "5657038"   "5673062"   "5682177"   "5689320"   "5691740"   "5717421"   "5734367"   "5754154"   "5796381"   "5808594").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/04 19:39
S38	12689	345/87-104.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 17:11
S39	10885	S38 and @ad<"20030930"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 17:39
S40	585	S39 and driv\$3 with (low adj1 voltage\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 17:12
S41	33	S39 and driv\$3 with (low adj1 voltage\$1) with width\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 17:39

## EAST Search History

S42	221	345/48.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 17:38
S43	199	S42 and @ad<"20030930"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 19:25
S44	0	S43 and driv\$3 with (low adj1 voltage\$1) with width\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 17:39
S45	2	("5317307").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/30 19:27
S46	2	("20020191235").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/30 19:29
S47	2	("20030053023").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/30 19:29
S48	12689	345/87-104.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 11:47
S49	10885	S48 and @ad<"20030930"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 11:48
S50	1	S49 and frequency with "120 hertz"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 11:51
S51	0	S49 and greater with "120 hertz"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 11:51

## EAST Search History

S52	0	S49 and gap with less with "1 micron"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 11:52
S53	0	S49 and space with less with "1 micron"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 11:53
S54	0	S49 and space with "1 micron"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 11:53
S55	2	S49 and gap with "1 micron"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 11:53
S56	12689	345/87-104.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/11 18:09
S57	10885	S56 and @ad<"20030930"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 14:08
S58	0	S57 and retardation with less with quarter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 14:09
S59	0	S57 and retardation with less with "1/4"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 14:09
S60	0	S57 and retard\$5 with less with "1/4"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 14:14
S61	0	S57 and retard\$5 with less with quarter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 14:11

## EAST Search History

S62	16	S57 and retard\$5 with quarter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 14:11
S63	0	S57 and retard\$5 with less with "1/6"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 14:14
S64	0	S57 and retard\$5 with "1/6"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 14:14
S65	0	S57 and retard\$5 with "1/8"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 14:14
S66	224	345/48.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/11 16:56
S67	199	S66 and @ad<"20030930"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/11 17:03
S68	8	S67 and driv\$3 with (low adj1 voltage\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/11 17:04
S69	3656	345/87.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/11 17:03
S70	3177	S69 and @ad<"20030930"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/11 17:03
S71	188	S70 and driv\$3 with (low adj1 voltage\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/11 17:07



## EAST Search History

S72	13623	345/87-104.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/11 18:09
S73	11134	S72 and @ad<"20030930"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/11 18:10
S74	611	S73 and driv\$3 with (low adj1 voltage\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/11 18:10
S75	3954	345/87.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/24 17:00
S76	3243	S75 and @ad<"20030930"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/24 17:00
S77	2861	S76 and driv\$3 with (low adj1 voltage\$1) or (less near10 "3.3")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/24 16:44
S78	1	S76 and driv\$3 with (less near10 "3.3")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/24 16:47
S79	14925	345/87-104.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/24 16:46
S80	11340	S79 and @ad<"20030930"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/24 16:46
S81	5	S80 and driv\$3 with (less near10 "3.3")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/24 17:01

## EAST Search History

S82	122	345/38.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/24 17:00
S83	112	S82 and @ad<"20030930"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/24 17:12
S84	0	S83 and driv\$3 with (less near10 "3.3")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/24 17:00
S85	12	S80 and (less near10 "3.3")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/24 17:12
S86	44501	"349"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/24 17:12
S87	35922	S86 and @ad<"20030930"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/24 17:12
S88	9	S87 and (less near10 "3.3")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/24 17:13
S89	2	("6762743").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/25 16:23